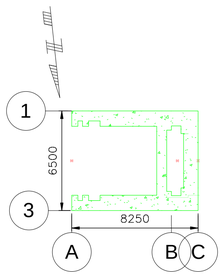
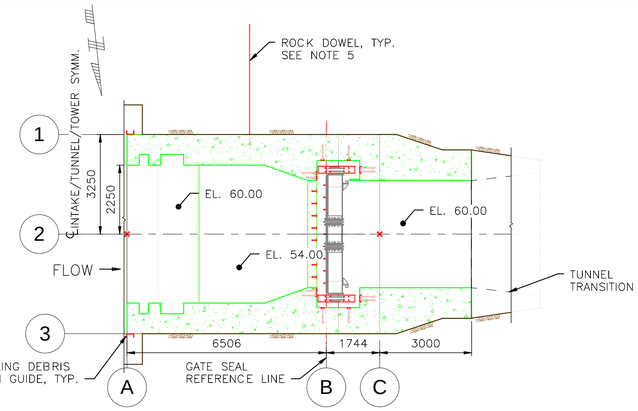


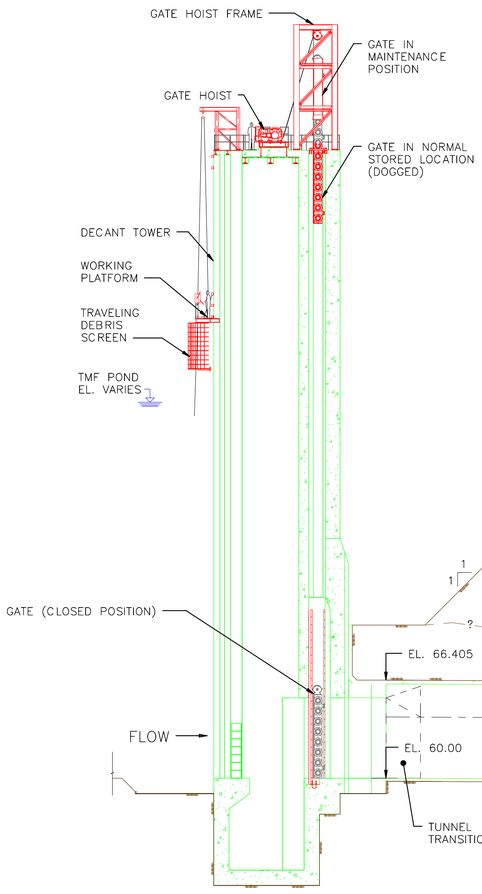
PLAN AT EL. 80.00

SCALE: 1 : 200



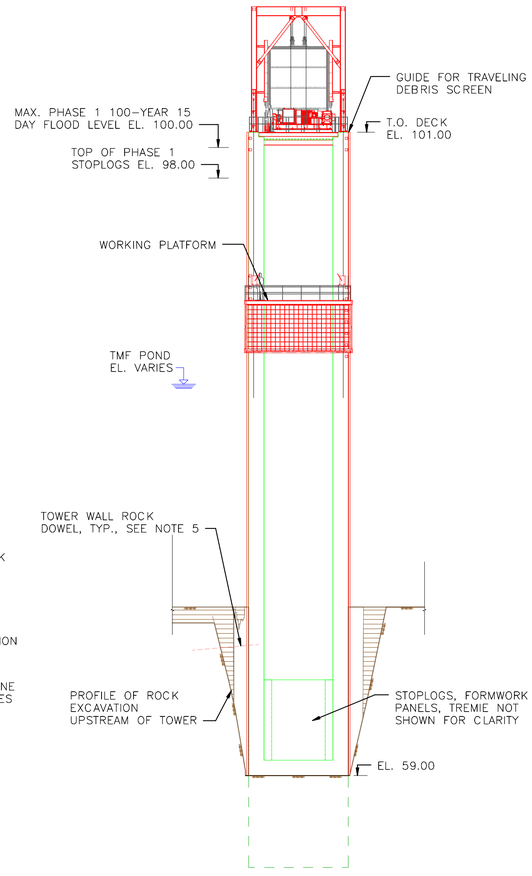
PLAN AT EL. 64.00

SCALE: 1 : 100



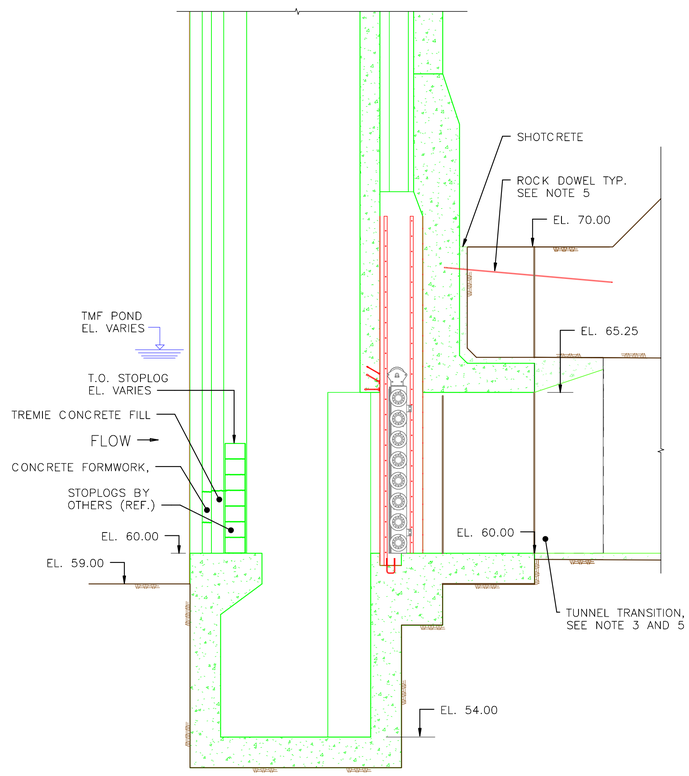
SECTION THROUGH TOWER

SCALE: 1 : 200



TOWER INTAKE FACE ELEVATION

SCALE: 1 : 200



SECTION SHOWING BASE OF TOWER

SCALE: 1 : 100

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, ELEVATIONS IN METERS UNLESS NOTED OTHERWISE.
2. SEE 1824-364-C01-00003 FOR GENERAL NOTES.
3. SEE 1824-364-C03-00001 FOR TUNNEL INFORMATION.
4. SEE 1824-364-C19-00001 FOR APPROACH CHANNEL EXCAVATIONS.
5. SEE 1824-364-C03-00006 FOR INTAKE SUPPORT.

NOTES RE SCOPE OF WORK FOR DECANT TOWER:

THE FOLLOWING ITEMS ARE NOT PART OF THE KLOHN CRIPPEN BERGER DESIGN SCOPE OF WORK:

A. THE CONSTRUCTION TOWER CRANE AND ITS INTERFACE WITH THE TOWER. LOADS FROM THE CONSTRUCTION CRANE ARE NOT ACCOUNTED FOR IN THE DECANT TOWER DESIGN AND REQUIRE STRUCTURAL REVIEW BY OTHERS FOLLOWING SELECTION OF THE CRANE AND ITS SUPPORT AND RESTRAINT SYSTEM.
B. THE ACCESS STAIRS AND THEIR INTERFACE WITH THE TOWER.
C. THE DESIGN OF THE STOPLOGS AND THE MEANS OF HANDLING THEM.
D. SPACE AND EQUIPMENT DESIGN AND PROCEDURES TO ACCESS THE STOPLOGS, THE PRECAST FORMWORK PANELS, THE TREMIE CONCRETE, THE GATE WHEN LOCATED BELOW DECK, AND THE TOWER INTERIOR. THE EXCEPTION IS THE INTEGRATED PERSONNEL PLATFORM LOCATED ON TOP OF THE VERTICAL TRAVELING DEBRIS SCREEN LOCATED ON THE UPSTREAM SIDE OF THE TOWER.
E. ACCESS AT THE DECK LEVEL AT EL. 101.0 m BEYOND THE FOOTPRINT OF THE TOWER.
F. THE MEANS OF REMOVING GATE SEGMENTS AFTER COMPLETION OF CONSTRUCTION.
G. ALL ELECTRICAL WORK INCLUDING LIGHTING, GROUNDING AND POWER SUPPLY TO DECK.

ACTUAL CONDITIONS MAY VARY

0 1:100 5 m

0 1:200 10 m

REV. NO.	DESCRIPTION	DATE	LH	LP/RA	DHD	RJD
0	ISSUED FOR CONSTRUCTION	2015-05-08	DWN	DSN	CHK'D	APPR

REVISION SCHEDULE

ORIGINAL ISSUE	
DRAWN:	L. HUTTON
DESIGNED:	L PETRIK/R ALAVA
CHECKED:	D. DUIVESTEIN
APPROVED:	R. DOUGLAS
DATE:	2015-05-08

SEAL

ORIGINAL SEALED BY D. DUIVESTEIN MAY/08/15

P.Engineers Seal

D. DUIVESTEIN #11385

P.Engineer P.Eng Number

DATE:_____

FIRST QUANTUM MINERALS LTD.

Klohn Crippen Berger

VANCOUVER, B.C., CANADA

FIRST QUANTUM MINERALS LTD.	
APPROVED BY:	
DATE:	
CHECKED BY:	
DATE:	

MINA DE COBRE PANAMA PROJECT

TAILINGS MANAGEMENT FACILITY (TMF)

GENERAL ARRANGEMENT
DECANT TOWER
PLANS, ELEVATION AND SECTIONS

DWG. NO.	SIZE	REV.
1824-364-C01-00004	A1	R0